

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A conical type diaphragm for a loudspeaker comprising:
 ~~an outer peripheral shape overlapping~~defined by a first circle and overlapping a second
 ~~circle in a top view of an outer periphery shape of the diaphragm,~~
 wherein the first circle has a first center point and a first radius, and the second circle has
 a second center point different from the first center point and a second radius different from the
 first radius.

2. **(Currently Amended)** The conical type diaphragm for the loudspeaker of claim 1,
 wherein
 a through-hole for fixing a voice coil is formed at a center of the diaphragm, and
 the diaphragm has an edge-fixing part ~~for being fixed~~configured to fix the diaphragm to a
 loudspeaker frame via an edge at ~~its~~an outer periphery of the diaphragm.

3. **(Currently Amended)** A conical type diaphragm comprising:
 a through-hole for fixing a voice coil formed at a center of the diaphragm; and
 an edge-fixing part at an outer periphery of the diaphragm,
 wherein the outer periphery of the diaphragm is substantially circular, and
 the outer periphery of the diaphragm has a shape ~~that~~defined by a first circle and a second
 circle ~~are overlapped~~that overlap each other with their center points ~~displaced in~~positioned such
 ~~a manner~~ that at least one part of an outer periphery of the first circle and at least one part of an
 outer periphery of the second circle ~~forms form~~ a part of the substantially circular outer
 periphery.

4. **(Currently Amended)** The conical type diaphragm of claim 3, wherein
 center points of the first circle and the second circle are displaced from a center point of
 an ~~entire~~overall shape of the diaphragm.

5. **(Currently Amended)** A loudspeaker comprising:
a magnetic circuit including a magnetic gap;
a cylindrical voice coil having a first end and a second end, the first~~whose end is~~
configured to be inserted into the magnetic gap;
a conical type diaphragm fixed to ~~another~~ the second end of the voice coil; and
a frame holding an outer periphery of the diaphragm via an edge,
wherein a through-hole for fixing the voice coil is formed at a center of the diaphragm,
wherein the diaphragm has an outer peripheral shape overlapping~~defined by~~ a first circle
~~and overlapping a second circle in a top view of an outer periphery shape of the diaphragm, and~~
wherein the first circle has a first center point and a first radius, and the second circle has
a second center point different from the first center point and a second radius different from the
first radius.

6. **(Original)** The loudspeaker of claim 5, wherein
the diaphragm has a third circle, the third circle surrounds both the first circle and the
second circle, and the third circle contacts with outer peripheries of the first circle and the second
circle, and
a center point of the third circle is a center point of the diaphragm.

7. **(Currently Amended)** The loudspeaker of claim 5,
wherein ~~the outer periphery of the diaphragm has a shape that~~ the first circle and the
second circle ~~are overlapped~~ overlap each other with such that their center points ~~displaced in~~ are
positioned ~~such a manner that~~ at least one part of an outer periphery of the first circle and at least
one part of an outer periphery of the second circle forms ~~form~~ a part of the substantially circular
outer periphery.

8. **(Currently Amended)** The loudspeaker of claim 7, wherein
center points of the first circle and the second circle are ~~displaced~~ positioned from a center
point of an ~~entire~~ overall shape of the diaphragm.

- 9. (New)** A loudspeaker comprising:
- a magnetic circuit including a magnetic gap;
 - a cylindrical voice coil having a first end and a second end, the first end being configured to be inserted into the magnetic gap;
 - a conical type diaphragm fixed to the second end of the voice coil; and
 - a frame holding an outer periphery of the diaphragm via an edge,
- wherein a through-hole for fixing the voice coil is formed at a center of the diaphragm,
- wherein the diaphragm has an outer peripheral shape defined by a first circle overlapping a second circle, and
- wherein the first circle has a first center point and a first radius, and the second circle has a second center point different from the first center point and a second radius different from the first radius;
- wherein the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second circle, and
- a center point of the third circle is a center point of the diaphragm.
- 10. (New)** The conical type diaphragm for the loudspeaker of claim 1, wherein
- the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second circle, and
- a center point of the third circle is a center point of the diaphragm.
- 11. (New)** The conical type diaphragm for the loudspeaker of claim 1, wherein
- the first circle and the second circle are configured to overlap such that at least one part of an outer periphery of the first circle and at least one part of the outer periphery of the second circle form a part of the outer peripheral shape.

12. **(New)** The conical type diaphragm for the loudspeaker of claim 2, wherein the through-hole is positioned substantially in the center of the diaphragm.
13. **(New)** The conical type diaphragm of claim 3, wherein the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second circle, and
 a center point of the third circle is a center point of the diaphragm.
14. **(New)** The conical type diaphragm of claim 3, wherein the through-hole is positioned substantially in the center of the diaphragm.
15. **(New)** The loudspeaker of claim 5, wherein the first circle and the second circle are configured to overlap such that at least one part of an outer periphery of the first circle and at least one part of the outer periphery of the second circle form a part of the outer peripheral shape.
16. **(New)** The loudspeaker of claim 5, wherein the through-hole is positioned substantially in the center of the diaphragm.